

## EAST Search History

| Ref # | Hits | Search Query   | DBs                                       | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| L8    | 32   | (US-20020153864-\$ or US-20030210014-\$ or US-20030025481-\$ or US-20030025479-\$ or US-20050077867-\$ or US-20040027091-\$ or US-20020070711-\$).did. or (US-6727708-\$ or US-6583592-\$ or US-6608482-\$ or US-6534954-\$ or US-6456041-\$ or US-6344732-\$ or US-6285162-\$ or US-6232744-\$ or US-6225784-\$ or US-6232748-\$ or US-6160380-\$ or US-5869951-\$ or US-6866107-\$ or US-6445160-\$ or US-6727670-\$ or US-6331762-\$ or US-6215277-\$ or US-6204636-\$ or US-6946818-\$ or US-6710575-\$ or US-5952813-\$ or US-5939861-\$ or US-5686812-\$ or US-5696367-\$ or US-6798165-\$).did. | US-PGPUB; USPAT                           | OR               | OFF     | 2006/04/23 16:29 |
| L9    | 1    | L8 and (noise sound) and filter  | US-PGPUB; USPAT                           | OR               | ON      | 2006/04/23 16:31 |
| L10   | 671  | (320/132).CCLS.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | OFF     | 2006/04/23 16:31 |
| L11   | 52   | L10 and (noise sound) and filter   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2006/04/23 16:31 |
| L12   | 80   | L10 and (vehicle automobile motor car).ab.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2006/04/23 16:31 |
| L13   | 71   | L12 and power and discharg\$4  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2006/04/23 16:31 |
| L14   | 6    | L13 and (noise sound) and filter   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR               | ON      | 2006/04/23 16:42 |

## EAST Search History

|     |       |  |   |    |     |                  |
|-----|-------|--|---|----|-----|------------------|
| L15 | 14577 | ("320").CLAS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/23 16:42 |
| L16 | 1730  | L15 and (vehicle automobile motor car).ab.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/23 16:42 |
| L17 | 1476  | L16 and battery.ab.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/23 16:42 |
| L18 | 458   | L17 and (comput\$4 calculat\$4 estimat\$4)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/23 16:42 |
| L19 | 23    | L18 and (noise sound) and filter   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/23 16:43 |
| S1  | 14    | ((("5285111") or ("5343970") or ("5637987") or ("6208034") or ("6269290") or ("6364807"))).PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/18 16:40 |
| S2  | 671   | (320/132).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/18 16:43 |
| S3  | 80    | S2 and (vehicle automobile motor car).ab.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/18 18:01 |
| S4  | 71    | S3 and power and discharg\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/18 17:49 |

## EAST Search History

|     |         |  |   |    |     |                  |
|-----|---------|--|---|----|-----|------------------|
| S5  | 14572   | ("320").CLAS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/18 18:00 |
| S6  | 1730    | S5 and (vehicle automobile motor car).ab.                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/18 18:02 |
| S7  | 1476    | S6 and battery.ab.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/18 18:02 |
| S8  | 215     | S7 and (measur\$6 monitor\$4).ab.                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/18 18:07 |
| S9  | 3354520 | S7 (comput\$4 calculat\$4 estimat\$4)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/18 18:06 |
| S10 | 458     | S7 and (comput\$4 calculat\$4 estimat\$4)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/18 18:06 |
| S11 | 343     | S10 and (measur\$6 monitor\$4)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/18 19:20 |
| S12 | 268     | S10 and (measur\$6 monitor\$4) with (discharg\$4 charg\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/18 19:21 |

## EAST Search History

|     |       |   |   |    |     |                  |
|-----|-------|---|---|----|-----|------------------|
| S13 | 27    | (US-20020153864-\$ or US-20030210014-\$ or US-20040027091-\$ or US-20030025481-\$ or US-20030025479-\$ or US-20020070711-\$).did. or (US-6727708-\$ or US-6608482-\$ or US-6583592-\$ or US-6534954-\$ or US-6456041-\$ or US-6344732-\$ or US-6285162-\$ or US-6232748-\$ or US-6232744-\$ or US-6225784-\$ or US-6160380-\$ or US-5869951-\$ or US-6445160-\$ or US-6331762-\$ or US-6215277-\$ or US-6204636-\$ or US-6710575-\$ or US-5952813-\$ or US-5686812-\$ or US-5939861-\$ or US-5696367-\$).did. | US-PGPUB;<br>USPAT                                    | OR | OFF | 2006/04/20 17:53 |
| S14 | 15    | S13 and (loop error)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/20 17:53 |
| S15 | 14577 | ("320").CLAS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/20 18:01 |
| S16 | 1730  | S15 and (vehicle automobile motor car).ab.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/20 18:01 |
| S17 | 1476  | S16 and battery.ab.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/20 18:01 |
| S18 | 12    | S17 and error and (clos\$4 adj loop)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/20 18:02 |
| S19 | 3     | ("5910722"   "5931757"   "6449537").PN. OR ("6946818").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/04/20 18:13 |